

CSM Mining Team Brings Home Bronze

Courtesy Kristin Guerin
CSM Mining Team

For the first time in three years, the Colorado School of Mines attended the International Intercollegiate Mining Competition, regarded as the measuring stick for worldwide mining universities. Consisting of seven events based on historical mining methods, the games were established to commemorate the 91 Idaho miners lost in the 1972 Sunshine Mine Disaster. At this year's competition, held in Kalgoorlie, Australia on April 8 and 9, the Oredigger team placed second in four events, solidifying an overall bronze medal in the games.

In conjunction with the competition, the Australian Institute for Mining and Metallurgy (AusIMM) held the New Leaders Conference in the days prior. This event targets college students as they reach the beginning of their careers to facilitate their development into industry leaders of tomorrow. The CSM team members attended, giving students an opportunity to make international connections, build career skills and get a glimpse of the

current state of Australian mining activities and technologies. Colorado School of Mines was one of only two U.S. schools represented at the conference, giving team members time to make friends among the Australian students and acclimate to cultural differences.

Practice was scheduled the next day for all teams, giving competitors time to fine-tune their preparations and adjust to any differences in competition tools. In attendance were schools from across the United States - including South Dakota School of Mines & Technology, Missouri University of Science & Technology, Arizona State, Virginia Tech and University of Nevada at Reno, a team from Britain, and many Australian universities, including University of Queensland, University of Adelaide, University of Melbourne, and the host institution, Western Australia School of Mines.

Having learned a great deal and making some great friends during the conference and practice days, the Oredigger team turned their attentions to competition performance, with many new friends rooting them on. Third, Fourth and

Fifth place standings in track stand, surveying and jacklegging events kept CSM in the running among top tier teams. Turning in many team and personal best performances vaulted the Orediggers to silver medal finishes in swede sawing, hand mucking, hand steeling, and gold panning events, netting the 2010 Colorado School of Mines Co-ed Team a Bronze Medal overall.

Next year's competition will be held in Reno, Nevada. The Colorado School of Mines Team is open to all CSM students, and is actively seeking additional members to complete rosters for Men's, Women's, and Co-Ed divisions which will begin practice in the fall. For an opportunity to meet students from other mining universities around the world, learn about the history of this exciting industry, and represent Colorado School of Mines on an international stage, the Mining Team provides a unique experience. For questions regarding the International Intercollegiate Mining Competition or joining the Oredigger Team, please contact team spokesperson Logan Ronhovde at lrnhovd@mines.edu.



CSM Mining Team
From left to right, back row: Jacob Brudvig, Kelly Puzak, Kristin Guerin
Front row: Logan Ronhovde, Sarah Jones, Jeff Shoffner

On April 25, faculty from all departments on campus met to honor an extraordinary few, chosen by the graduating seniors and departing graduate students. The awards, separated between undergraduate and graduate students choices were presented by Sara Post, senior class president and Zach Aman, Graduate Student Association vice president of communications.	
Chemical Engineering <i>Undergraduate:</i> Ron Miller <i>Graduate:</i> Tony Dean	Liberal Arts and International Studies <i>Undergraduate:</i> Toni Lefton <i>Graduate:</i> Toni Lefton
Chemistry & Geochemistry <i>Undergraduate:</i> Mark Seger <i>Graduate:</i> Dan Knauss	Economics & Business <i>Undergraduate:</i> John Stermole <i>Graduate:</i> John Stermole
Computer Science <i>Undergraduate:</i> Tracy Camp <i>Graduate:</i> ZiZhong (Jeffrey) Chen	Physics <i>Undergraduate:</i> H. Vince Kuo <i>Graduate:</i> Reuben Collins
Engineering, Civil <i>Undergraduate:</i> Joe Crocker <i>Graduate:</i> Mike Mooney	Geophysics <i>Undergraduate:</i> David Hale
Engineering, Electrical <i>Undergraduate:</i> Ravel Ammerman <i>Graduate:</i> PK Sen	Geology & Geological Engineering <i>Undergraduate:</i> John Curtis <i>Graduate:</i> Eileen Poeter
Engineering, Environmental <i>Undergraduate:</i> Junko Munakata Marr	Mathematics <i>Undergraduate:</i> Ellie Blair-Kennedy <i>Graduate:</i> Gus Greivel
Engineering, Mechanical <i>Undergraduate:</i> Cara Coad <i>Graduate:</i> John Berger and Neal Sullivan (tie)	Mining <i>Undergraduate:</i> Hugh Miller
Environmental Science & Engineering <i>Undergraduate:</i> Junko Munakata Marr <i>Graduate:</i> John McCray	Petroleum <i>Undergraduate:</i> Jennifer Miskimins
	Metallurgy <i>Undergraduate:</i> Kip Findley <i>Graduate:</i> Ryan O'Hayre

LAIS prof sweeps awards

Abdullah Ahmed
Business Manager

Professor Toni Lefton of the LAIS Department has been awarded the Outstanding Faculty Award. Every year graduating seniors choose a professor from each department to receive this honor. This year, Professor Lefton was chosen by the undergraduate and the graduate seniors. "I can't think of a greater honor," Professor Lefton reflected upon her double win. "To have students remember those moments we shared in class...this is why I teach."

Professor Lefton's classes feel like communities; students are always encouraged to feel a sense of belonging to the class, and that leads students to produce better work inside and outside of the classroom.

"I love Toni's classes," Sara Post, a graduating senior, said. "There's nothing like a poetry class with 20 other engineers to really capture what the Mines students brings to the table. But without Toni to draw the artist and writer out of the engineer, you couldn't do it. She really enjoys taking us out of our comfort zones and asking us to think about things differently. At the same time, she's been here long enough

to understand the engineering brain, so she doesn't fight with it, she works with it. That's why I voted for her - not just because she's one of my favorite professors but because she understands the unique stresses of Mines and is willing to work with us from that perspective."

The award ceremony took place last week in the geology museum with over a hundred students and faculty in attendance. Along with Professor Lefton, faculty from other departments were also honored. When asked if she

had any advice for the graduating seniors Professor Lefton said, "They should always trust their voices and to remember that we all have a poem inside of us."

Many students who take a class or more with Professor Lefton know that she always pushes them to bring forth the power of a pencil, which in the end completes the structure of a successful engineer.

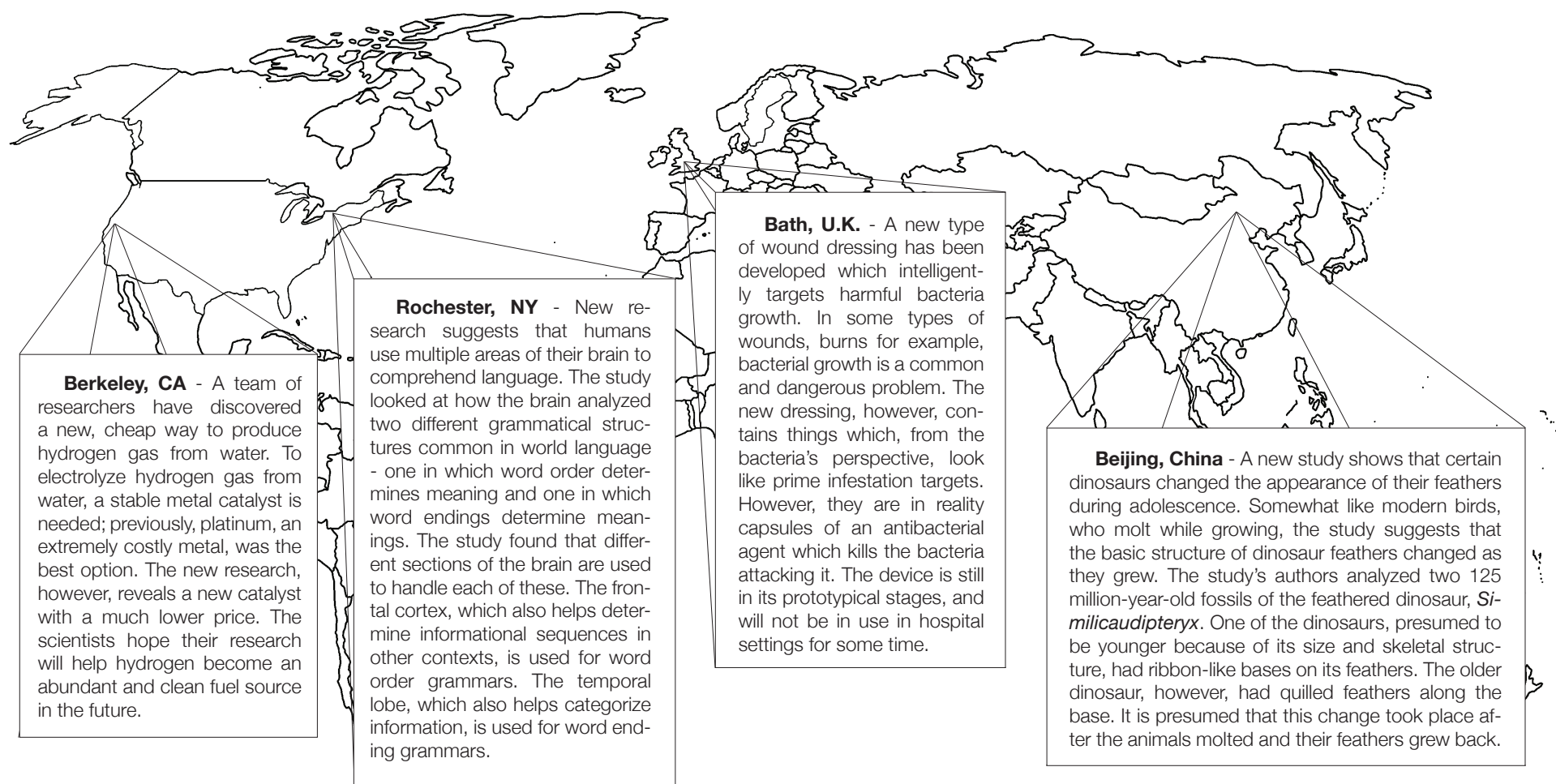
"The two classes I've had with [Professor Lefton]," Post concludes, "are the highlights of my Mines experience."



ZACHARY BOERNER / OREDIGGER

Scientific discoveries this week

Jake Rezac, Staff Writer



Berkeley, CA - A team of researchers have discovered a new, cheap way to produce hydrogen gas from water. To electrolyze hydrogen gas from water, a stable metal catalyst is needed; previously, platinum, an extremely costly metal, was the best option. The new research, however, reveals a new catalyst with a much lower price. The scientists hope their research will help hydrogen become an abundant and clean fuel source in the future.

Rochester, NY - New research suggests that humans use multiple areas of their brain to comprehend language. The study looked at how the brain analyzed two different grammatical structures common in world language - one in which word order determines meaning and one in which word endings determine meanings. The study found that different sections of the brain are used to handle each of these. The frontal cortex, which also helps determine informational sequences in other contexts, is used for word order grammars. The temporal lobe, which also helps categorize information, is used for word ending grammars.

Bath, U.K. - A new type of wound dressing has been developed which intelligently targets harmful bacteria growth. In some types of wounds, burns for example, bacterial growth is a common and dangerous problem. The new dressing, however, contains things which, from the bacteria's perspective, look like prime infestation targets. However, they are in reality capsules of an antibacterial agent which kills the bacteria attacking it. The device is still in its prototypical stages, and will not be in use in hospital settings for some time.

Beijing, China - A new study shows that certain dinosaurs changed the appearance of their feathers during adolescence. Somewhat like modern birds, who molt while growing, the study suggests that the basic structure of dinosaur feathers changed as they grew. The study's authors analyzed two 125 million-year-old fossils of the feathered dinosaur, *Sinilicaudipteryx*. One of the dinosaurs, presumed to be younger because of its size and skeletal structure, had ribbon-like bases on its feathers. The older dinosaur, however, had quilled feathers along the base. It is presumed that this change took place after the animals molted and their feathers grew back.

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Headlines from around the world

Emily Trudell, Staff Writer

Democratic Denver Mayor, John Hickenlooper, has raised about **1.1 million dollars** towards his campaign since he entered the race for Colorado governor in January. His campaign began when incumbent Bill Ritter announced that he would not seek reelection.

The **unemployment rate** in Spain was reported to be up to 20.05 percent from 19 percent in the last quarter. Spain has the second highest unemployment in Europe after Latvia, and the government says that there are 4.6 million unemployed people in the country.

A three day **immigration enforcement** sweep in the Southeast lead to the arrest of nearly 600 immigrants with criminal records. The operation, lead by the United States Immigrations and Customs Enforcement, was the largest of its kind. It focused on arresting immigrants with criminal records and deporting these criminals.

China opened the **World Expo 2010** in Shanghai, where over 250 countries are now showcasing their culture.

Tornadoes in Arkansas left **3 people dead and 25 more injured**. The Arkansas Department of Emergency Management has deployed teams to search for more people who may be trapped under damaged buildings.

Five women were killed in India during a stampede outside of a religious center where 60,000 people had as-

sembled for a retreat. **Stampedes of people** are often deadly in India, and the occurrence is attributed to the volume of people and lack of facilities to hold large crowds.

Director of the Oscar winning **Lord of the Rings** series was knighted in his home country of New Zealand for his services at the Premier House in Wellington. Jackson was knighted by Gov. Gen. Sir Anand Satyanand in palace of Queen Elizabeth II.

As a price for the recent bailout, the country of Greece will be required to **cut the salaries** of civil servants and change tax rates, among other cuts. Greek civil servants have planned a strike

for the fifth of May in response to the cuts.

The United States Air Force prepared to spray the oil slick off the coast of Louisiana with oil-dispersing chemicals. Recent weather reports say that strong winds could worsen the **oil slick problem** by blowing the oil into inlets and river systems by the coast of Louisiana.

A study reported in the Lancet medical journal found that people living in the United Kingdom had a **higher risk of death** than people living in other developed, wealthy countries. Researchers cited a high occurrence of smoking and drinking as potential reasons for early death in the UK.



Local News

This Thursday at ASCSM, the new ASCSM Senate will vote on Student Body Parliamentarian, Student Body Secretary, and Student Body Treasurer. Ian Littman has been recommended by the ASCSM Executive Council for Student Body Secretary, Mike Ashwood has been recommended by the Executive Council for Student Body Parliamentarian, and Ann Lott has been recommended by the Executive Council for Student Body Treasurer.

Oredigger baseball split a pair of games Saturday against CSU-Pueblo. Mines won 8-5 in the first game and lost 7-8 in the second game.

Women's softball lost a pair of games in Saturday's double-header versus Regis University. The lady Orediggers lost 0-1 in the first game and 4-12 in the second game.

Fellow Mines students Keri Kuhn, Mark Malinowski and Shay Robinson built a cosmic ray detector alongside professor Fred Sarazin and electronic specialist Orlen Wolf. Beginning next spring, the Mines tank will be used by physics majors to measure the muon lifetime as part of the Advanced Laboratory II class.

The bridge over West 6th Avenue near Kipling and Union Boulevard for the upcoming light rail project, slated for a 2013 launch, was successfully rolled into place on Saturday. The bridge weighs 600 tons.

LAIS expands program opportunities

Courtesy Cortney E. Holles
Instructor, LAIS Department

You may think of Liberal Arts and International Studies (LAIS) as a Division that offers some writing classes but no majors, masters programs or real value for a Mines graduate. But that old reputation is rapidly changing. LAIS still offers required courses like Nature and Human Values and Human Systems, but it also has growing offerings in minors like STEP (Science, Technology, Energy, and Policy), LSE (Literature, Society and Environment), Humanitarian Studies, IPE (International Political Economy), and an outstanding masters' program called MIPER (Masters in International Political Economy of Resources). MIPER has no GRE requirement and can be completed with a Mines undergraduate degree in as little as an additional year.

The LAIS Division at Mines is

answering the call for more liberal arts education for engineers as the leaders of the future. Dr. Shirley Jackson, President of Rensselaer Polytechnic Institute says, "As engineering and the technological revolution continue to transform our world, we must assure that those who steer these changes understand the totality of the human condition, and that brings us back to the liberal arts." This is why campuses across the country are beginning to emphasize humanities and social science courses for engineering and science degrees. Mines students can set themselves apart from the pack of technical graduates by pursuing any of the LAIS minors or the MIPER graduate program.

The International Political Economy (IPE) minor focuses on the interplay between economic and political forces that shape and affect relations among the world's developed and developing areas. The coursework is par-

ticularly focused on the dynamic interactions between politics and economics, both within countries and on a global scale. The MIPER program applies these discussions to resource use in particular. For more information on the IPE minor, contact Dr. James Jesudas at jjesudas@mines.edu and you can contact Dr. Hussein Amery at hamery@mines.edu regarding the MIPER program.

The STEP minor (Science, Technology, Engineering, and Policy) focuses on science and technology in a societal context: how science, technology, and engineering (STE) influence society, politics, and policy and conversely, how society, politics, and policy influence STE. The courses provide historical and analytical approaches to questions confronting professionals in the public and private sectors. Students study, for example, intellectual property rights, science policy formation, regulatory regimes, assessments

of social impacts, and the roles of technical innovation in economic development or international competitiveness. Contact Dr. Carl Mitcham at cmitcham@mines.edu or Dr. Jason Delborne at jdelborn@mines.edu to design a course sequence for this minor.

Literature, Society, and Environment (LSE) is a minor for students with a passion for literature and an interest in exploring relationships between literary traditions and the broader social and environmental processes. Students will develop forms of intellectual creativity and sensitivity to social and environmental dynamics increasingly expected of 21st century scientists and engineers. Contact Dr. Gianquitto or Dr. Straker at tinagian@mines.edu or jstraker@mines.edu.

Finally, the Humanitarian Studies minor focuses on the intersection of science, technology, and engineering in humanitarian projects. Scientific, technologi-

cal, and engineering-oriented humanitarian projects are intended to help marginalized communities meet basic human needs (such as food, water, and shelter) when these are missing or inadequate. Students take LAIS 320 Ethics with Sandy Woodson, among other LAIS and technical electives. Please contact Sandy Woodson for enrollment information at swoodson@mines.edu.

Overall, the LAIS department is providing an array of value-added degrees for Mines students with varied interests and future careers. These programs are supported by a talented and diverse faculty, with expertise in fields such as communications, development, policy studies, ethics, literature and film, water resources, political relations, and regional integration, to name a few. We look forward to helping you design a minor or classes to fit your needs and help you stand above the crowd at graduation.

Mines alumnus returns for Leadership Summit

Courtesy Serena Stickney
Associate Director of Geographic and Special Programs

Graduates from the Colorado School of Mines are well trained in the science of moving mountains. But on October 2, Mines alumnus and celebrated author Mr. Robert Waterman will lead one of many plenary sessions that will help Mines students learn how to mobilize people and teams to move those mountains. They will be learning how to apply engineering principles to the art of leadership.

Along with co-author Tom Peters, Waterman penned the leadership tome "In Search of Excellence", which has been heralded as the "greatest business book of all time" by Bloomsbury UK.

Students, faculty and alumni will have the opportunity to hear from Waterman at the 2010 Mines Leadership Summit. "The Leadership Summit provides an opportunity for us to work toward being more than engineers, to work toward being both leaders and engineers," said Alec Westerman, Student Body President for the 2010-2011 academic year.

"It was early in my career when [Waterman] and Tom Peters published 'In Search of Excellence' to wide acclaim," said Mines President M.W. "Bill" Scoggins. "The book, which became one of the most widely read business books ever, helped define the characteristics that make for successful organizations and successful leaders."

As a Mines student, Waterman worked hard to develop his analytical and intuitive problem solving abilities. "Much of the job of being a leader has to do with one kind of problem solving or another," he explained. "Mines is a great teacher of problem solving."

When analyzing leadership through a scientific lens, the challenge remains one of an under-con-

strained system. "In my courses in math and physics, I was used to looking for the right answer," said Waterman. "In business and organizational settings, there are lots of right answers, lots of ways you can get things done. But what I didn't appreciate was the multiplicity of seemingly right answers. So the best approach turns out to be ... the answer that is both technically right and most appealing to those who work for you [and] to those who buy from you."

Waterman noted that global thinking is the most important learning objective for today's engineering student.

"Minerals and oil, for example, are sold at prices that are determined by production and transportation costs from every corner of the globe," he said. "Other cultures in the world have different values than our own; other people see things differently than Americans."

The notion of connecting leadership through diverse perspectives is also a significant goal for Mines. "Developing leadership qualities in our students is clearly part of our mission to develop 'global engineers' who are prepared to hit the ground running," said Scoggins. "At Mines, we try to inculcate these skills throughout the curriculum and through special opportunities such as this Leadership Summit."

"I am looking forward to hearing what [Waterman] thinks are good management practices," said Westerman. "I am also looking forward to hearing how, as a Mines student, he made the transition into management. I'm sure that I'm not alone in hoping to follow a similar path."

The Peters-Waterman book, "In Search of Excellence", is available today at the Mines Bookstore. For more information, visit the Leadership Summit website at leadership.mines.edu

"Developing leadership qualities in our students is clearly part of our mission to develop 'global engineers' who are prepared to hit the ground running."

Tau Beta Pi initiates largest class in history

Courtesy Ashley Young
Tau Beta Pi President

On Monday, April 26th the Colorado Alpha Chapter of Tau Beta Pi Engineering Honor Society initiated 61 new members into the organization. To be eligible for Tau Beta Pi membership, you must be in the top eighth of the junior class or top fifth of the senior class. Candidates for Tau Beta Pi must also demonstrate good character and integrity by completing an interview process. Tau Beta Pi is an active honor society on campus and sponsors the annual E-Days Cardboard Boat Race and Trebuchet Contest. Tau Beta Pi members also participate in a number of community and campus service events, including the Castle of Cans food drive, EPICS II Judging, and Engineering Futures sessions.

Please congratulate the following new members of Tau Beta Pi: Kevin Albrecht, Nadiyah Anasir,

Nabilla Arief Tham, Brett Arpin, Nathan Bade, Jennifer Bollig, Robert Broman, Andrew Corman, Jessica DeBlois, Oliver Dewey, Krista D'innocenzo, Jordan Douglas, Frederick Garcia, Adam Goering, Gary Goesch, Amanda Graninger, Cathryn Greene, Scott Greensides, Judson Greenwood, Daniel Harrison, Heather Hunt, Hilary Hurst, Harris Ibrahim, Joseph Jennings, Rebecca Johnson-Paben, Scott Lang, Samantha Lawrence, Callen Liles, Michael Lutz, Andrew Maul, Connor McDonald, Michael Middleton, John Moseley, David Mutnick, Ryan Neilson, Anh Nguyen, Dieu Linh Nguyen, Michael Paris, Marie Patton, Brian Peterson, Michael Plampin, Samantha Poupore, Bradley Price, Bryce Robbins, Zachary Robertson, Mark Robinson, Paul Schietinger, Jordan Shoemaker, Charles Slavin, Kyle Smith, Keith Stevens, Matthew Stilwell, Evan Suazo, Theresa Sung, Allen Thomas, David Underwood,

Timothy Weilert, Patricia Weisgerber, Barry Wilkinson, Patrick Williams, and Tim Wilson.

Tau Beta Pi also elected seven new officers for the 2010-2011 academic year: Tim Douglas (President), Brett Eagle (Vice President), Robert Wright (Treasurer), Hilary Stamp (Activities Secretary), Marie Patton (Corresponding Secretary), John Sherozman (Recording Secretary), and Andrew Renehan (Historian). Dr. Ravel Ammerman will also join current advisors Dr. Robert Knecht, Dr. Matthew Liberatore, and Candy Sulzbach as our newest chapter advisor.

Thank you to our 2009-2010 outgoing officers: Ashley Young (President), Chris Sabaka (Vice President), Chris Peters (Treasurer), Heather Oertli (Activities Secretary), Rachael Madland (Corresponding Secretary), Melissa Rhodes (Recording Secretary), Wade Rosensteel (Historian), and Dr. Jeffrey Squier (Advisor).



COURTESY TAU BETA PI

Mines continues to support Haiti

Coutesy Kurtis Griess
Student Activities Office

Amidst cramming for final tests, projects, and papers, it is easy to lose sight of everything you experienced and learned this semester. In two weeks, you will probably be ready to get past the struggles of these last weeks. But before you check out, I'd like to return your attention to another ongoing struggle: disaster relief in Haiti.

The earthquake on January 12 that killed some 230,000 people garnered support from around the world, and Mines was not absent from the efforts. Late January, a committee formed to fundraise for Haiti relief by selling used textbooks donated by students and faculty. The result was at least 240 books donated, 38 books sold, and nearly \$1,000 raised to be do-

nated to the American Red Cross! On behalf of the committee, thank you for your kindness and generosity!

But we're not done yet. When you finish your courses this semester please consider the good you can do by donating your used textbooks. Your book will be sold and converted into food, medicine and shelter rather than in the profits of the bookstore or gathering dust on your shelf. Your donation can make a world of difference for the suffering in Haiti.

How to donate or trade used textbooks:

- Drop off any used textbooks at the Student Activities Office.

- Trade your new edition for an older edition (contact Kurtis, email below).

Contact Kurtis at kgriess@mines.edu with questions.

Mines faculty bring together classic talent

Alec Westerman
Staff Writer

For years, Marie Hornickel has played piano and Rebecca Flintoff has played cello, and for years they have worked together as administrative faculty at Mines. On April 29, the duo showcased their skills and performed together in the library.

Describing how she got started as a four year old, Flintoff stated, "I did Suzuki." She further explained, "I started when I was pretty young... through college I was a music minor. I've just stayed active." According to the concert program she earned a bachelor's of arts from Kalamazoo College in Michigan. She then worked as a chemist for a little while, only to return to academia to study College Student Personnel at Bowling Green State University in Ohio. She has worked ten years in student affairs and is currently the

director of Auxiliary Services and Housing at Mines. Musically, she has continued to be involved, performing with several groups including the Longmont Symphony Orchestra, Colorado Mahlerfest, and Ribbons and Strings Ensembles.

Hornickel, from Wisconsin, explained that she has played piano since she was in third grade. She further noted, "I just always enjoyed playing and I majored in it in college." The concert program stated she received a bachelor's degree in Music with an emphasis in piano from University of Wisconsin-Stevens Point. According to the program, "After graduating, she was appointed staff accompanist at Butler University in Indianapolis." During that time she was also an assistant/accompanist and a pianist at a church. Her master's degree came from "Minnesota State University-Mankato, in Counseling

and College Student Personnel." She now works at Mines as Associate Director of Student Activities for Campus Programs.

The first movements played by the duo were Antonio Vivaldi's "Allegro," "Largo," and "Allegro from Sonata No. 3 in A Minor". The afternoon of classical music continued with various pieces from Gabriel Fauré, Camille Saint-Saëns, Claude Debussy, and Aaron Minsky. The concert ended with a piece from "Suite from Appalachian Spring," a Doppio movimento composed by Aaron Copland.

Students in attendance relaxed and enjoyed the classical arrangements performed by the two skilled musicians. "I thought the most beautiful song was the first," said Nathan Harvey, a student in attendance, "but I thought the trucking in the South song was funny... it made me want to laugh."

Board of Student Organizations honors outstanding clubs with Organization of the Year award

Karlyn Adams
BSO President

Student organizations are a fundamental part of student life at Mines. With almost 160 organizations, Mines organizations have something for everyone. This year, the Board of Student Organizations would like to recognize two organizations for their outstanding leadership and dedication to the students on campus. We feel these organizations exemplify what it means to be an active, responsible, and effective club on campus. Please help us thank them for all of their hard work!

Shooting Sports, Colorado: Tier 2

The CSM Shooting Club has experienced a great deal of growth over the last year. Not only have they achieved all of their yearly goals, they have gone above and beyond for their members. The CSM Shooting Club's mission is to educate and introduce students to firearms and firearms safety. This year the club has hosted monthly events that incorporate a wide variety of sports for an affordable price. By including a basic gun safety class with every event, students of all skill sets have been able to attend, increasing club membership and bringing in sponsors. From this the group was able to increase event attendance by over 200% and has brought in over \$14,000 in outside sponsorship over the course of the 2009-2010 school year. The organization uses this money to provide a safe environment for all event participants along with helping subsidize the costs of shooting for club members. The organization was also able to start a competitive shotgun team this year. The club plans to continue to expand its

variety of shooting sports over the coming years. If you are interested in getting involved with the CSM Shooting Club, please email Caitlin Premo at cpremo@mines.edu for more information.

InterVarsity Christian Fellowship: Tier 3

InterVarsity Christian Fellowship has been a leader on campus with their organization and community events. In keeping with their organization mission to serve the campus and community as well as allow each person to make an educated decision whether or not to follow Jesus, the organization has hosted campus, community, and member events while increasing their membership by over 100% this past year. Highlights include campus events such as handing out popsicles on the M-Climb, running a booth at E-Days, and raising over 1,000 lbs of food for the Castle of Cans Campus Food Drive. The group also participates with the greater community through visits to the local retirement center, volunteering at a local shelter, and helping out at over 20 local not-for-profit organizations. For its members, the group hosts seven Bible studies every week along with a weekly large group meeting. In addition, InterVarsity hosts dinners for members and friends on a regular basis and attends conferences with chapters from other schools several times a year. In the coming year the group plans to continue serving and expanding with quality while keeping a strong, stable base. If you are interested in checking out InterVarsity Christian Fellowship all events are open to the campus, or you can contact Thomas Begley at tbegley@mymail.mines.edu for more information.



InterVarsity poses for a group shot

COURTESY INTERVARSITY CHRISTIAN FELLOWSHIP

**InterVarsity
Christian
Fellowship**

**To the right:
Shooting
Sports**



Shooting Sports enjoys a day at the range

COURTESY SHOOTING SPORTS

Greeks party up and buckle down

Doug Morter
IFC Publications Chair

Ever wondered what the Greeks have been up to? In this article, you will find Greek involvement on campus, community service undertaken, and some fun events coming up. The Greeks strive to help out the campus and the community while achieving academically and still having a good time.

Scott Warren from ATO will start off with their updates. The Alpha Tau Omega House has been very busy lately. Our philanthropy chair has decided to get a new design for our breast cancer shirts. If you have not seen the new design, keep an eye out for us in the student center lobby. Please help us by buying a shirt to help support the breast cancer research. We have also been busy doing lots of community service work. The latest thing the Alpha Tau Omega house has done was going down and picking up some of the trash around Clear Creek. Finally, everyone in the house is trying to get ready for finals since they are just around the corner. We are all trying to finish the year on an excellent note making the arrival of summer relaxing and vacationing that much better.

Byron Garcia of Sigma Alpha Epsilon tells us their happenings. SAE just had their formal at Winter Park, and had an Alumni BBQ over E-Days. Also, we had a new member, Tyler Wylie, win Runner-up at the Sigma Kappa, Mr. Big Digger

Event. The house also has a lot of participation in the on-campus Intramural Sports with members like Hunter Dunham winning first place at the track and field meet in the shot put. The house also has a good number of members in ASC-SM representing the student body. There is Jesse Earle as the faculty at-large representative-elect, Benjamin Seling as senior class president-elect, Douglas Low as the senior class representative-elect, and Hunter Dunham as the junior class president-elect.

At Sigma Nu, we are ending this year with a bang. This Thursday, May 6, we are hosting our Boxer Shorts Party. Look for free food, drinks, prizes, T-shirts, and some awesome under attire. It will be at the Sigma Nu house, the circle one by the south IM field, at 8:00 PM. Everyone is invited so come out and de-stress before finals! Sigma Nu is not all play and no work as we cleaned up Mount Zion road with the Sigma Kappa Sorority for our biannual highway clean up. To add to that, many of members have been helping with Habitat for Humanity at their outlet location.

Dominic Massa tells of Kappa Sigma's stride for on-campus leadership. The Kappa Sigma Fraternity prides itself on being involved in improving campus life. Participation on the Mines Activity Council is one of the primary ways that we accomplish this. MAC president Estevan Bunker, Friday Afternoon Club chair Scott McNear, and off-campus events chair

Brady Pfeiffer are three members who pride themselves on bringing quality entertainment to all Mines students.

Blain Savage now reports the undertakings of the Beta Theta Pi Fraternity. The chapter is focusing on academics this year by having study sessions every Monday and Wednesday. April has been a pretty busy month for Intramural Sports. The month began with the second round of the softball tournament where Beta unfortunately had one bad inning and lost. Beta also lost in the first round of the kickball tournament later that day. The floor hockey team made play-offs, but lost in a close and competitive game. Arena football will be played later this month, along with a best-ball golf tournament and disc golf doubles tournament. Hopefully these three sports turn out well for Beta. The 12th annual Ski-A-Thon was a big success. The chapter ended up giving a check for \$1000 to St. Anthony, Hospital for head trauma research.

The other houses are busy as well but unfortunately deprived you of their excellent undertakings. As for the Inter-Fraternity Council, we hosted a faculty appreciation breakfast last Thursday by bringing all of the departments about forty boxes of Krispy Kreme donuts! Finally, right before the roasting of finals starts, IFC is hosting a Dead Day BBQ open to all on Friday May 7 from 11-2 PM on Kafadar Commons. Come on out to get some free food and Rockies tickets!

Creativity found at Mines

Ryan Browne
Editor-in-Chief

Boasting the largest crowd in history and an overflowing Ballroom A, High Grade's April 23 launch went off without a hitch. With a live musical performance, readings from some of the published authors, and a special tribute to a Mines student who passed away.

High Grade, the school's literary journal, started in 1970, has always published the pieces that showed the right-brain prowess of students at Mines. Students, faculty, and staff have always had their best works of fiction, poetry and art published.

This year, for the first time ever, the edition features a music and spoken word CD, which was composed with the help of the Music Department here at Mines. The journal, though originally a fairly amateur-looking publication, has undergone a stunning

transformation, partially thanks to the constant mentorship of Toni Lefton.

Since Lefton became advisor in 2000, the journal's budget and quality has increased significantly, placing High Grade in a great position to compete nationally with other journals. "This journal has seeped from the pencils and brushes of creative engineers who understand that fine art and science are inseparable to the unaided mind," said Abdullah Ahmed, the Editor-in-Chief of High Grade. "The building of this journal is nothing short of constructing a vehicle."

It takes about eight months from start to finish to compile,

design, and print the journal. This year, High Grade received a record number of submissions, making the selection process very difficult and competitive. "It was a mountain climb creating and compiling these pages," Ahmed said, "but with the help of the High Grade team and the constant support of Professor Lefton, it became a brisk walk down the garden."

High Grade will be distributed to the campus this week; be sure to pick up your free copy. Meanwhile, if you would like to join the High Grade team, make a literary submission, or learn more about the club, please visit the official website (highgrade.mines.edu).



COURTESY HIGH GRADE



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Baseball ends on a high note

Sam Schleisman
Staff Writer

The Orediggers won their 2nd consecutive series Saturday at Jim Darden Field taking two games from Colorado State-Pueblo. The Diggers got hot at the right time by winning 5 of their last 7 games, but unfortunately it was already too late as they missed the RMAC playoffs for the second consecutive year. It was the second straight year in which the Diggers won only 7 conference games.

If Mines could have avoided a mid season 12 game losing streak or proved better on the road, where they went 1-13, they would have had a legitimate shot at the playoffs and could have made some noise with the way there were playing lately. During Mines' last two series they outscored their opponents 74 to 38 and found stability in one of their season-long weaknesses when Marshall Schuler was moved to the bullpen.

Saturday was senior day and although the careers of Schuler, Anthony Siderius, Andrew Ryan, Cory Ast, Craig Matsuda, and Cris Rogers ended with a loss, their contri-

butions to the team and program will not be forgotten. All players were major contributors throughout their careers and it's hard to imagine how the team would have looked the last few years without their services.

Looking forward to next year, Mines will have some huge holes to fill. The team will lose their top four pitchers in Schuler, Ast, Ryan, and Rogers along with their leadoff and four hole hitter in Matsuda and Siderius.

71% of the team's innings graduate with Schuler, Ast, Ryan, and Rogers and if the Diggers want to make the RMAC playoffs next year they will need young pitchers to step up, whether in the form of currently rostered players or incoming freshman.

The Digger offense will undoubtedly be the team's strength next year as Coach Oates returns 7 starters including 6 players with over 20 games of experience that hit over .300. The big question is who will fill in for Siderius and Matsuda.

...Continued online at www.oredigger.net

Geek of the Week

...Ashley Young, Senior: Chemical and Biochemical Engineering

Courtesy Melinda Bartel

Do you consider yourself a geek?

Well, I am definitely a band geek, and I'm probably an all-around geek too because I like things like calculus and public policy.

What is the geekiest thing you own?

I have a large costume closet because I like to dress up, especially for McBride presentations. I have safari and mafia outfits and homemade pirate costumes. Also, I kept my AP Government study guide that I wrote in high school to study for the test.

What is the geekiest thing you've ever seen or done?

I've memorized the first 25 digits of Pi. I can solve a Rubik's cube in less than 3 minutes. And I know all the US and European capitals.

What is your favorite formula?

IN - OUT + NET GEN = ACCUMULATION, because it applies to everything.

Why did you decide to come to Mines?

I was looking for a small school where I could get individualized attention from the teachers but still be involved in a lot of clubs.

What clubs and activities are you a part of at Mines?

I'm President of Tau Beta Pi Engineering Honor Society and Vice President of the student body. I'm a leader in InterVarsity Christian Fellowship and a member of Blue Key, SWE, and AiChE. I play clarinet in the band and I played the piano in [Once Upon A Mattress]. I'm also in the McBride Honor's Program and I'm a Tier 3 representative of the board of student organizations. And I'm an ambassador/intern in the admissions office.

What are your hobbies?

I like to play piano, and I like to take naps.

What has been your favorite class at Mines?

U.S. Public Policy. It's a McBride class that I took for fun. We got to go to Washington, DC to meet legislators and see Capitol Hill. We also did a city council simulation in the actual city council chambers in

Golden. Government is something I'm really interested in. In the future I would like to run for a US senate position and possibly the US president.

not exist.

If you could have one super power what would it be?

There are so many ethical consequences of choosing a super power; I don't know what I would pick.

What technology could you not live without?

My cell phone, even though I don't have texting, and my GPS, because I have a horrible sense of direction.

If you could meet any scientist, dead or alive, who would it be?

Marie Curie, because she was a strong, independent female scientist.

What's your favorite book of all time?

My favorite summer reading book is Sisterhood of the Traveling Pants. But I really like Pride and Prejudice and the Redwall series. And I'm a big fan of The Lord of the Rings. Just the books though. I refuse to see the movies on grounds that they might contaminate them.



COURTESY ASHLEY YOUNG

What has been your least favorite class at Mines?

There are two at the bottom of my list. Physical Chemistry and Chemical Engineering Reaction Kinetics. I didn't really understand anything in those classes. I hate particle in a box and I think that PBRs (packed bed reactors) should

What's your favorite movie?

"Pirates of the Caribbean" or anything with Hugh Grant...

Who is your role model?

Colin Powell, because he never compromised his values but still had a passion for what he does and I respect people like that.

What has been your greatest life experience?

Marching in the St. Patrick's Day Parade in Ireland when I was in high school, and just college in general. I think I've grown a lot as a person.

What was your most embarrassing moment?

In October I gave myself a concussion by opening the metal door of the Student Center into my head.

What do you love best about Mines?

That there are over 140 organizations that I can be involved in. Last night I spent 3 hours emailing just for Tau Beta Pi.

If you could add a class at Mines what would it be?

Elementary art, which has to include how to make edible play dough and have lots of free snacks.

What are you most looking forward to about the summer?

Finishing field session and graduating. Oh yeah, and I'm getting married.

TECH BREAK

MacBook Pro 13"

Ian Littman, Tech Break Columnist

By all reports, Apple's 13-inch MacBook Pro is its hottest-selling computer these days, and for good reason. The price isn't stratospheric, its features are well-balanced, its style is impeccable and its battery life is superb. However, the cheapest aluminum Apple portable had been lagging behind the rest of the computer world, foregoing the latest graphics and CPU technologies... until April 13. At that point, Apple announced specification bumps across the board for their MacBook Pro line. At first glance, the 13-inch MacBook Pro was the least impacted by these changes as this model still includes a Core 2 Duo processor, with only the most minor of speed increases. Yet there were two very important enhancements made to that line: significantly better graphics and significantly better battery life.

From the outside, the new MacBook Pro is no different than its immediate predecessors. You get gigabit Ethernet, FireWire 800, mini DisplayPort, two USB ports, a SD card reader, and a headphone jack on the left side of the computer, in addition to a battery meter. On the right side is an optical drive, on the front edge is an infrared receiver for the optional Apple remote, and on the back is the screen hinge. Open, the bottom half of the MacBook Pro is dominated by a gargantuan glass touchpad, now with inertial scrolling, though that sort of thing can be implemented in software if anyone had wanted to do so. The keyboard is the same as in previous MacBook Pros: back-

lit, chiclet, and decent, although not spectacular. One nitpick: the keys are a little too easy to press down for an avid keyboardist like myself. As for the screen, it's just as bright and vibrant as any other LED-backlit screen on Apple's recent portables; why mess with success? One design downside: the rather sharp leading edge of the MacBook Pro's lower half could be a bit more forgiving of hapless wrists.

Performance and battery life, however, are different. The new MacBook Pro beats my current machine, the first MacBook with nVidia graphics (approximately a year old), by one-third on Xbench. That said, my MacBook isn't a MacBook Pro from that era, and Xbench is a synthetic benchmark. The results do line up though with increases in the graphics performance over the previous-generation nVidia chip. For the actual benchmarks, see the links in the online version of this article. Put another way, the last generation of MacBook Pro wasn't horrible at gaming, and this generation will be significantly better than that baseline.

On the battery life front, Apple is finally succumbing to marketing hype. You'll need to relegate your on-battery tasks to light web surfing and document viewing to get a full ten hours of battery life but ten hours is nonetheless an impressive number for a full-featured notebook that weighs a mere 4.5 pounds.

...Continued online at www.oredigger.net



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Grievel strives for excellence, education

Trevor Crane
Content Manager

Professor Grievel is the apple that didn't fall too far from the tree. The mathematics professor, originally from Lakewood, CO, didn't travel very far when he attended the Colorado School of Mines for both his undergraduate and graduate degrees. A few adjunct teaching and lecturing jobs later, he is a resident of nearby Wheat Ridge, CO with a passion for teaching. "I love to watch the light bulb go on," he explained about his job, "I try to find unique ways of sparking the student's interest."

Being a graduate from Golden Tech, Grievel, for the most part, understands the students he teaches and can relate to them. He recognizes how much strain and pressure is put on the student. "We work you guys hard," he admitted, "I know it's tough." In fact, he knew Mines so well and fit in so well during his stay, Grievel was elected the Mines Homecoming Beast.

Grievel explained that much of Mines is similar to when he

attended. The classes are still treacherous, and the opportunities are vast. The view from

been added has been the push to involve students in numerous organizations in an effort to

main focus is on education. He lectures in calculus and other core math classes as most of his

much." He is also working on developing new curriculum that better meets the students' needs.

Back home, Professor Grievel is a husband and father of two and is truly a family man at heart. Although he professes not to have free time, Grievel's says that his principle hobby is watching his two young kids grow up. Outside of family and work, Professor Grievel has a passion for biking. "Mountain biking is a blast, though I will road bike any time I can," he commented. When he was younger, Grievel would often bike a vigorous journey down to the Velodrome in Colorado Springs from his home in Lakewood.

But above all, Grievel loves his job and hopes that students realize the opportunity that they have at Mines. "This is a big part of your life," he noted. According to him, college serves two main purposes. The first, to gain expertise in a field you love and the second, to grow socially. "There is a big difference from an 18 year-old and a 22 year-old. You grow up so much during these years... Make it count, take the coursework seriously, but take care of developing other areas of your life as well."



Grievel's son enjoys a nice day out in the yard

COURTESY GUS GRIEVEL

the faculty position has slightly changed since his college days. "They are a little more thoughtful to [the students] position," he described, "They try give you the best opportunity for success." A unique feature that has recently

get them connected; something Grievel approves of. "I think it's good to [push for involvement]. It really adds a lot to the college experience."

Here at the Colorado School of Mines, Professor Grievel's

work is done with freshmen and sophomores. "I enjoy messing with the freshmen," he said with a smile, "I try to get the 18 year-olds involved in learning. They come in wide open, the sky is the limit, and they can accomplish so

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15 ingredients make three course meal

Katie Huckfeldt
Content Manager

Want to make a dinner that dazzles without having to buy an entire cartful of groceries? Try these recipes, all five ingredients or less, for a delicious meal that will leave your guests satisfied and your wallet full. For an appetizer, classic Caesar salad is a quick fix and an all-time favorite.

Caesar Salad:
Ingredients:

- * 6 cups romaine lettuce, torn up
- * 1 cup Caesar croutons
- * 1 cup shredded parmesan cheese
- * 1/3 cup Caesar dressing

Directions: Mix the lettuce, croutons, and cheese in a large bowl. Add the dressing and toss till coated.

For the entrée of an Italian meal, an easy-to-make lasagna recipe is sure to please.

Lasagna:
Ingredients:

- * 1 (26 ounce) jar spaghetti sauce, divided
- * 1 (8 ounce) package lasagna noodles
- * 1 pound ricotta or cottage cheese
- * 1 (8 ounce) package shredded mozzarella cheese
- * 1 cup grated Parmesan cheese

Directions:
Spread about 1 cup spaghetti sauce in a greased 9 x 13 x 2-inch baking pan. Arrange a layer of half the uncooked lasagna on top of the sauce. Top with 1/3 of the remaining sauce, 1/2 of the ricotta, 1/3 of the mozzarella and 1/3 of the parmesan. Repeat layer. Pour the remaining sauce over the top making sure all the lasagna pieces are covered and top with the remaining mozzarella and parmesan cheese. Cover the dish with aluminum foil and bake at 350°F for 30 minutes. Uncover and bake an additional 20 minutes, or until the cheese is bubbly and lightly browned. Let cool for 10 minutes and enjoy!

Of course no meal is complete without dessert. End on a high note with a simple, but tasty, chocolate éclair cake

Chocolate Éclair Cake:
Ingredients:

- * 2 (3 ounce) boxes French Vanilla Instant pudding
- * 3 cups cold milk
- * 1 (8 ounce) container cool-whip
- * 1 box graham crackers
- * 1 (16 ounce) can chocolate frosting

Directions: Beat the pudding mix and milk in large bowl until well mixed, and then add the cool-whip. Put a layer of graham crackers in the bottom of a lightly greased 9 x 13-inch dish. Spread 1/3 of the pudding mixture on top of the graham crackers. Repeat two more times. Top with a layer of graham crackers. Refrigerate about 30 minutes. Finish by icing the top with the chocolate frosting.

Kick-Ass redefines the superhero

Stephen Hejducek
Staff Writer

With all the excitement due to the upcoming release of Iron Man 2 in May, many superhero fanatics find themselves craving a movie to wet their appetite for adventure and over the top action, a movie such as Kick-Ass.

From the beginning of Kick-Ass, the main character Dave Lizewski, (Aaron Johnson), defines himself as the socially awkward high school outcast. He goes on to explain that his life is rather average in the fact that he is neither extremely smart nor is he extremely athletic. The girl of his dreams doesn't notice him, even when she looks directly at him.

Deciding to change this fact, he orders a custom wet-suit that he uses to create his alternate persona, Kick-Ass. In his first act as a crime fighter, Kick-Ass stands up to some local bullies. Kick-Ass ends up getting hit by a car and taken to the emergency room, where a series of operations give him multiple metal plates in his body that mess up his nerve endings. Kick-Ass quickly returns to fighting crime once he is released from the hospital, and on his first night back, he breaks up a gang

fight and is videotaped while doing so. This makes his popularity sky-rocket and opens the door for many jobs around the New York City area. He happens upon a job working for the girl of his dreams, Katie Deauxma (Lyndsy Fonseca), and while the job is simple enough, its repercussions give Kick-Ass an unwanted reputation with the local mafia.

With the threat of the mafia, Kick-Ass meets up with two heroes known as Big Daddy (Nicholas Cage) and Hit Girl (Chloe Moretz). Big Daddy and Hit Girl are better trained and equipped than Kick-Ass, but this does not stop Kick-Ass from doing his part by teaming up with the heroes to confront the mafia. Kick-Ass even scares the mafia to such extremes that they create Red Mist (Christopher Mintz-Plasse) to pose as a fellow super hero and trick Kick-Ass into helping capture Big Daddy and Hit Girl. To find out how successful Kick-Ass is with his endeavors, go see the movie.

Kick-Ass has an easy to follow plot and a great, relatable cast. Full of action, violence, romance, and adolescent abuse of swear words, Kick-Ass is an amazing movie that brings out the superhero in everyone.

Santiago's proves half and half isn't only for coffee

Stephen Hejducek
Staff Writer

From the Colorado School of Mines, head down Washington Street towards highway 58 to find a small Mexican restaurant called Santiago's. Santiago's is known as the home to some of the best breakfast burritos, making it a campus favorite.

These are not your run of the mill breakfast burritos. Santiago's actually shapes their burritos, well... like burritos, contrary to the bizarre-shaped versions offered at other burrito joints. And unlike other restaurants, these burritos remain intact while they are being eaten.

Santiago's has twenty-one locations in Colorado, with one location in Golden. The Golden Santiago's has been in the same spot for the past seven years and has built up a large clientele of repeat customers by combining fresh food with good prices and excellent service. When you walk into Santiago's, the first thing to notice is the mission statement on the wall, which states their dedication to good food offered at cheap prices. Near the mission statement are the many awards Santiago's has won for their great food and excellence in the community.

So what is it that makes a Santiago breakfast burrito so good? To start, every day the meat is hand-picked by the chef, so you never know which meat you will get until you order. The meats available during the week are: ham, bacon, chorizo, and breakfast sausage. No matter what the meat of the day is, the burrito will always taste amazing in combination with the freshly prepared scrambled eggs, and potatoes packed inside a white flour tortilla.

After ordering the burrito, the following question is asked, "Would you like mild, spicy, or half-n-half?" Half-n-half is just like it sounds, it is a mixture that is half spicy and half mild salsa. The employees at Santiago's claimed that the half-n-half salsa came about because "some people thought that the hot salsa was too spicy and mild salsa wasn't spicy enough, so we mixed the hot and mild salsas and created the half-n-half salsa."

So if you find yourself craving an excellent breakfast burrito, and are up early enough in the morning to get one, head on down to Santiago's and get your fix. When the daunting task of choosing a salsa is presented, go with the half-n-half. It's a Santiago's thing.

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Minds at Mines

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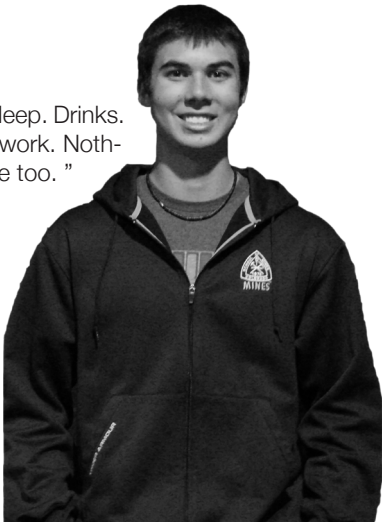
Roby Brost
Staff Writer

The number of classes left until summer arrives can be counted on one hand. Hooray! Happy dance, wild cavorting, parties, stress free... Oh wait. Summer may be tantalizingly near, but there is still a tremendous obstacle impeding its path. Not just a tremendous obstacle, but a behemoth, a Tyrannosaurus Rex in the way of happiness. It's a stressing, pass-or-fail, will-I-get-an-A-or-will-I-get-a-B-and-ruin-the-GPA-forever obstacle. It's about losing the will to crack open that textbook for a last time... Egads! It's almost finals. So, in true Mines fashion, let's ignore the pink elephant in the room and focus on the light at the end of the tunnel. After finals. The summer. Ah, happiness.



"After finals I am going to pack up and move out of the dorms. Over the summer? Well, I'm going to go home to New York. It's kind of exciting because I get to work for Hidden Lake Girl Scout camp as a camp counselor and a lifeguard."
Molly Shave

"I'm going to catch up on some sleep. Drinks. Catch up on some more sleep and work. Nothing special, but I'll probably go home too."
Scott Feedl



"I'm going to ride an elephant from one side of Asia to the other. Why? To get across Asia."
Steve

"Celebrate good times, come on! Actually, a week after graduation, we will be headed to China, specifically Xian, for a global project with InterVarsity Christian Fellowship. It's going to be a cultural exchange at the Xian institute of Architecture and Technology. We're spending six weeks in Xian, then coming back here for our friends' wedding."

Diana Goodrich and Daniel Haughtaling



ALL PHOTOS ROBY BROST / OREDIGGER

What's your Beef?



Jaime Thorpe
ASCSM President

Why aren't there power cords to rent in the digger den? Suggestion: Keep 4-5 extension cords in stock, and hold BlasterCard during rental.

Good news! There are now power strips available for check out at the Student Center Information Desk. Your BlasterCard will be held at the desk during the check-out period. Thanks for the suggestion!

What is the school doing for the students about parking?

Ashley Young, ASCSM Vice President and Chair of the Parking Services & Public Safety Committee answered as follows:

The School:

- An outside (private) consulting firm was hired to evaluate our parking system and recommend changes for next year.
- Parking Services recently rebalanced several of the freshman lots (Ford, the up-

per gravel lot) to include up-perclassman parking spaces. In light of the recent construction, Parking Services has also juggled moving faculty and other reserved spaces around the campus.

- Ford lot will be expanded over the summer.
- The Hall of Justice Lot is slated to be paved (and ultimately the three lots will be combined) in the near future.
- A tiered parking system will be implemented in the fall that will include restructuring of faculty, staff, and student parking and associated fees.
- A Parking Advisory Committee meets on a semi-regular basis with the directors of Facilities Management and Parking Services to discuss potential parking changes. Three of the members of this committee are students (less than a third of the representa-

tion on the board, but at least we have a voice).

Student Government:

ASCSM has re-established its Parking Services & Public Safety Committee. The committee meets on a weekly basis and has developed several surveys over the past year to collect feedback from the students about parking. The results of the surveys have been successfully shared with the director of Facilities Management and Parking Services. One of the greatest achievements of this committee has been the redevelopment of a good relationship with Parking Services on behalf of the students.

ASCSM has more narrowly defined its at-large representative positions, and those representatives are now required to meet with school administration, the mayor of Golden, and other community and school folks on a more regular basis.

M.I.A.'s "Born Free" makes bold statement

New music video causes controversy among viewers

Barbara Anderson
Design Editor

Last Monday, musician M.I.A. released a 9-minute music video for her song "Born Free". Shortly after, it was pulled off of Youtube due to its graphic violence and nudity. The video depicts the intensity of political violence and the horrors of genocide. Since Monday, there has been much controversy and debate on the content of this video. There is more that meets the eye, though, and the entirety of "Born Free" must be taken into account when forming an opinion on the video.

Though they make us uneasy, explicit representations of such real things are good for a sometimes necessary eye-opening. So, despite its graphic content, I support the creation of this video.

Often, it takes a visual that's not easy to watch in order to make a statement. If we can't stand to look at it, then how can we accept that it's actually happening? Furthermore, if we can't accept that it's actually happen-

ing, no one's ever going to do anything to change it. Can we really expect that sheltering viewers' eyes from violence means that it doesn't happen? This situation is not about a political activist who went too far. It's about uncomfortable people wanting to look the other way.

Having said this, there are definitely parts of M.I.A.'s video that I do not agree with. Firstly, I fully support Youtube's actions to remove it from their site. I believe that the content of this video is inappropriate for such public access and should not be available for younger audiences.

This situation is not about a political activist who went too far, it's about uncomfortable people wanting to look the other way.

This is not the first time we've been faced with unpleasant realities. I can't help but compare this video to other graphic, yet accepted, depictions of violence. Consider movies like Crash, Hotel Rwanda and Schindler's list. Each expresses violence in their respective cultures with quite vivid imagery.

The difference though, is that upon release, each of these movies was rated "R". This further articulates why "Born Free" is an acceptable medium for such

expression but should not be accessible to everyone on Youtube.

My other gripe is that this video's aim is to make a statement with a hypothetical situation: ginger genocide. So I found it unnecessary, inappropriate and incorrect that the soldiers' uniforms sported American flags. With this subtle addition, "Born Free" could potentially turn from anti-violence messages to anti-American messages.

In the end, I agree with what M.I.A. is trying to convey, I just think she approached it in the wrong way. If she wants to make a statement against violence and genocide, then that's okay with me. If she's going to bring down the United States in an all too public forum, then she loses my support.

It is simply human nature to resist accepting such harsh realities. Spreading awareness is critical to solving problems. This is not to say that a 9-minute music video is going to end genocide forever, but as with anything, we have to start small. What is unsuitable for Youtube today, has the potential to make a difference tomorrow. I, too, found it difficult to watch this video without cringing, but sometimes facing ugly issues head-on is just what it takes.

New York Daily News recently conducted a poll about "Born Free". Of the people surveyed,

- 34% thought the video was way too graphic,
- 41% thought free speech should not be censored and
- 25% didn't know who M.I.A. was.

Editorials Policy

The Oredigger is a designated public forum. Editors have the authority to make all content decisions without censorship or advance approval and may edit submitted pieces for length so long as the original meaning of the piece is unchanged. Opinions contained within the Opinion Section do not necessarily reflect those of Colorado School of Mines or The Oredigger. The Oredigger does not accept submissions without identification and will consider all requests for anonymity in publication on a case-by-case basis. Submissions less than 300 words will receive preference.



Above, Chris McFee places third in the men's hammer throw.



Above, Ben Zywicki holds onto an early lead in the 800m race. Friday's track meet was the first official event at the Stermole Track & Field Complex.



Above, Nicole Kostelecky runs in the Women's 800m at Friday's track meet.

CSM track and field defeats at meet

Courtesy CSM Athletics

The CSM track & field team hosted its first meet at the Stermole Track & Field Complex on Friday afternoon. CSM competed in a dual meet against UC-Colo-rado Springs as the men defeated UCCS, 92-26, while the women defeated UCCS, 74-19.

The Oredigger women had two athletes with provisional qualifying marks. Kiera Benson recorded her first provisional qualifying mark in the long jump of 5.71 m (18'-9") which ranks her in the top 20 on the Division II performance list. Savannah Afoa improved on her mark in the discus moving up to 15th on the Division II performance list with a distance of 44.91 m (147'-44"). Mines scored first-place points in 8 of the 12 women's events.

Much like the women, the Mines men had a first time provisional mark and an improvement

on a previous provisional mark on Friday afternoon. Russell Drummond went from 17th on the Division II performance list to fifth was a time of 3:48.51 in the 1500 m. Nick Zehring had the best marks of the day in the shot put, discus and hammer throw. Zehring had a provisional mark of 55.11 m (180'-10") in the hammer and now has provisional marks this season in both the shot put and hammer throw. CSM scored first-place points in 11 of the 14 men's events.

The CSM track & field squad will compete at the RMAC Outdoor Track & Field Championships in Pueblo, Colo. on Sunday-Tuesday, May 9-11. Mines will host the CSM Last Chance Meet on Sunday, May 16th. Those athletes that qualify will compete at the 2010 NCAA Division II Outdoor Track & Field Championships on May 27th-29th in Cary, N.C. hosted by JC Smith University.



Above, Cody Walega clears the bar in men's pole vault.



Above, Wes Suchsland competes against UCCS and Metro State in the 800m race.

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER

ATHLETE OF THE WEEK

Trevor Crane
Content Manager

Sydney Laws is making strides in her career as an Oredigger athlete. The senior has risen to become one of Mines most prominent female distance runners in both cross country and track. Last fall, at the Division II Cross Country National Championships, Laws placed an impressive 10th overall, the best that Mines has witnessed. She has also been a part of numerous successful relays in track and has made a reputation for being a national contender. She currently holds the Indoor Track record for the women's 3000m race (10:17.98). The

chemical engineer will be graduating this year and looks forward to beginning her career. For her efforts, Laws is this week's Athlete of the Week.

How did you end up at Mines?

I had some encouragement from my parents. I knew I wanted to something in math and science and I definitely wanted to run track. Mines gave me the opportunity to compete.

How did you get involved in track?

I started in high school, only running the shorter runs like the 400 and 800. When I came here, the coaches just kept gradually moving my up.

You have run a wide variety of races; which is your favorite?

Well, I actually like cross country the best. Every time you run, it is different. For track, it's probably the 5k because it is still long distance, but not quite as long as the 10k.

Why do you like track?

It is a healthy way to get exercise. Being apart of the track team is a good balance. I have made a lot of good friends in track, and it's a fun way to be competitive.

What do you like about Mines?

I like the education, its really challenging. I like how I was really

well prepared to be an engineer.

What is your best track memory?

Well, it's actually embarrassing. It was at league meet in high school, and I was running the anchor of the four by four and we were ahead. I really had to go to the bathroom and it was causing me to tighten up. I knew I would be passed soon, so I totally peed my pants. We won, and I don't think anyone really noticed.

How did you decide to become a chemical engineer?

It was an accident. I really liked Chem I and II, so I wanted to go into chemistry. But, the majors are listed alphabetically, and chemical engineering comes

before chemistry, so I ended up picking chemical engineering. Looking back, I am glad I did.

Have you had any favorite or least favorite classes?

My favorite would probably be Natural Gas Processing. It's applicable to what I'll be doing. My worst class would have to be Heat Transfer.

What is your favorite part about running track?

There are two things. The first is seeing positive results from your training and placing really well. If you train hard, it will pay off. The second is being around all the people. My fiancé is on the team, and we get to spend time with each other..

... SYDNEY LAWS SENIOR: TRACK TEAM

Student athletes balance finals, competitions

Trevor Crane
Content Manager

The big coats begin to vanish; the shorts and flip-flops emerge; construction work rears its ugly head; and Colorado weather becomes as erratic as the Denver Nuggets. You know this time of year- it's Finals Season. But while most students at Mines lock themselves away for a week, student athletes must balance their time between studying and competition. They cannot tune out the extracurriculars to focus on school, as many teams will compete all throughout the month of May. The track team's RMAC Conference meet takes place Monday through Wednesday of finals week, right

smack in the middle of final exams, and students must divide their time as they aim for success in the classroom and on the field.

Most students at Mines understand the time commitment required to succeed academically. What many don't often realize is that their peers who are involved in sports must carry that same dedication and repeat the process in the athletic realm. For an individual to succeed at the collegiate level in sports requires a great deal of skill and hard work. It is similar to arriving at Mines for the academics. A student may be top of their class prior to attending, but soon find a rigorous challenge ahead of them. It works the same way for athlete.

It is difficult for a student not to

become distracted by the combination of schoolwork and competition. Thinking too much about a race can hinder performance on a test, whereas worrying about being prepared for a test can have a similar effect on an athlete's performance in their sport. "It's definitely distracting," said senior distance runner Sydney Laws, "But you try to find a balance."

If you are like me, much of your final exam weekend will be spent cramming and lamenting over the classes that I skipped. But student athletes have no such luxury. As Bradley Nuse, a member of the Swim and Dive team, explains, "we will still have 6-8 hours of workouts over that week." And thrower Chris McPhee's weekend won't be any

easier. He is traveling to Pueblo for his first appearance in the RMAC Conference meet and will have to prioritize his time between studying and performing. "I know a bunch of people will bring their tests down and take their finals down [in Pueblo]," he commented.

But this effort does not go unnoticed. Coaches often understand the stress students experience this time of year. "They realize and support the fact that academics come first," said Laws. In fact, most coaches allow students to take off a practice or two if they are struggling and need to catch up in their studies.

So how do the athletes get through? Basketball player Sean Armstrong just shrugged when he

was asked. "I really don't know, man. It's definitely tough, but you just get through it." It's tough, but many participants agree it is worth the trouble and that the benefits greatly outweigh the costs. "Being a part of the track team is a good balance," said Laws, "It's a fun way to be competitive, and I have made a lot of good friends from track."

The life of a student athlete at Mines is virtually unparalleled. Players on most other school teams do not deal with the same level of academic intensity or rigorous studying as Mines students. And while representing your school athletically is an incredible privilege, I will definitely be glad that all I have to worry about next week will be passing my Physics 200 exam.



My last article, satirist says goodbye

Mike Stone
Bittersweet and Tangy

I have been contemplating what to write for my last Fool's Gold article for YEARS. Should it be a quirky piece on the school and its students? Should it be a testimonial to how a certain staff member should have been fired years ago for a chronic history of brainlessness, harassment, too much cologne, and just being a horrible, horrible person to the core? Should it be a final, uplifting memoir to how great the school is and what it has taught me? Should it ask several questions about what the article should be about? Or should it simply be a heartfelt thanks to the school? I took the high road and went with the latter.

In late spring of 2005, I got a letter from MIT University in Cambridge, MA telling me that, though, I could have been accepted, I would not be attending their school that fall due to the more

qualified individuals who had also applied that year. Backhanded and a little cryptic, I found it weird that they didn't simply state that I had been rejected. Instead, I had the exact characteristics that they were looking for, but I wasn't chosen. Starting to feel a little down about myself, I quickly noticed that the "rejection" letter, as I've come to call it, that I had been reading was printed on MIT letterhead UP-SIDE-DOWN. Now laughing it all off, I quickly said, "Good riddance" to the notion of \$40k a year and coincidentally received an acceptance letter from the Colorado School of Mines the very next day. Boy, what a fit it would be.

Just a short, hour drive from my home in Colorado Springs, Golden is far enough for parental independence, yet close enough for holiday and long-weekend getaways. My parents have been able to visit for EVERY SINGLE lacrosse game I've ever played here and even take the trips to Montana, California, Arizona, and so forth, to make

sure I always have a fan. As my teammates have expressed to my parents as well, I am very grateful for their devote persistence over the past four-(cough)-five years.

As for this school's out-of-classroom activities, I must say, there is no greater place to be on this Earth. In my time here, I have been a part of Men's Lacrosse all five years, I coached Women's lacrosse for a year, participated in Mines Little Theater, Mines Broadcasting Club, DiggerDial, Ballroom Dancing, helped DJ or do lighting for various school dances and performances with tons of great clubs and particularly NSBE, done E-Days events galore, and been a proud contributor of the Oredigger. As vast of a spectrum as those may seem, they tore my schedule up for years at a time! And for it, my grades have gladly suffered.

So, where is it that I go from here? Grad school? Work? A conclusion to this story? The answer is: I have no idea. I have been

writing fake articles every Sunday for four and a half straight years and your perpetual blood-sucking for more has made me run out of ideas! Even though my brain is MIA at this point and I'm suffering from stage five senioritis, the perks of writing these limitless stories have included fooling hundreds of people at a time. I've had teachers explain to my entire class that, "the fireworks have been cancelled this year!" when I simply counterpoint that I wrote that story and it was all untrue. I have had several chances to vent to the entire student population that CSM will drive you to do insane things, like after I made a presentation to a class that was not my own. I've even received an extra point or two by mentioning my teacher's names in articles completely unlike them or even with a good jumping point for a reference to them. I.e. Leydens, Zeles-hahn, Coad, and Seger- you all rock!

The long and short of it, though, is this: CSM, I thank you.

I thank you for putting up with these shenanigans as your cries for more have kept the Fool's Gold section alive over the years and with me (I think) at the helm. If you look at the top of this page, it says "satire." Only sometimes true to that bold generalization, the Fool's Gold section has ventured well beyond satire into all realms of comical genius over the few years since her birth. Sometimes a fake article, sometimes a monologue to the reader, sometimes just a list of things that are funny- Fool's Gold seems like the last place in print to be original. So, though I may be "passing on" to the other side (work), I wish you all luck in your future claims to "fun and funny" to break the CSM Homework Monster's spirit. Starting with a Blaster the Donkey fake interview article, and ending with a rant about the Fool's Gold's legacy, this is Michael Stone checking out, saying, "thank you," and I'll talk to you again real soon... like on graduation day...

Spring 2010 Champions Birds of a Feather Win Together!

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- Foosball
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